INTERNATIONAL SEARCH REPORT

International application No.

PCT AJS04/30032

					
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) A61K 39/385, 39/1 16, 39/00, 39/02, 39/38, 39/09 US CL : 424/197. 11, 203.1, 192. 1, 190.1, 184.1, 244 1					
According to International Patent Classification (TPC) or to both n	ational classification and IPC				
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed	by classification symbols)				
US: 424/197.11, 203 1, 192.1, 190.1, 184 1, 244. 1					
Documentation searched other than minimum documentation to the	e extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name Please See Continuation Sheet	ne of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category * Citation of document, with indication, where	appropriate, of the relevant passages Relevant to claim No.				
X WO 2004/041 157 A2 (CHIRON CORPORATION) pages 4 and 5.	2 l May 2004 (21.05.2004), claims, and 1-17				
Further documents are listed in the continuation of Box C.	See patent family annex.				
 Special categories of cited documents "A" document defining the general state of the art which is not considered to be of particular relevance 	"T" later document published after the international filing date or priority date and not m conflict with the application but cited to understand the principle or theory underlyingthe invention				
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of snother citation or other special reason (as specified)	"Y" document of particular retevance, the claimed invention cannot be considered to involve an inventive step when the document is combined				
"O" document referring to an oral disclosure, use, exhibition or other means	with one or more other such documents, such combination being obvious to a person skilled in the art				
"P" document published prior to the international filling date but later than the priority date claimed	"&" document member of the same patent family				
Date of the actual completion of the international search On November 2005 (09.11 2005) Date of the international search of the internationa					
Name and mailing address of the ISA/US	Authorized officer				
Mail Stop PCT, Attrr ISA/US Commissioner for Patents P.O. Box 1450	S. Devi, Ph.D. Cb(UAAJi Fork				
F.O. Box 1430 Alexandria, Virginia 223 13-1450 Facsimile No (571) 273-3201	Telephone No. (571) 272-1600				

Form PCT/ISA/210 (second sheet) (Ap π1 2005)

INTERNATIONAL SEARCH REPORT

International application No
PCT/US04/30032

Βοχ Νο. π	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This interna	tional search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons
1 []	Claims Nos because they relate to sub ect matter not required to be searched by this Autho π ty, namely
2 🔲	Claims Nos because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be earned out, specifically
3 🛄	Claims Nos because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6 4(a)
Box No. 11	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
	tional Searching Authoπty found multiple inventions m this international application, as follows Continuation Sheet
1	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims As all searchable claims could be searched without effort justifying additional fees, this Authoπty did not invite payment of any additional fees As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos
4 X	No required additional search fees were timely paid by the applicant Consequently, this international search report is restπcted to the invention first mentioned in the claims, it is covered by claims Nos 1-17 Protest

Form PCT/ISA/210 (continuation of first sheet(2)) (April 20Q₅)

International application No INTERNATIONAL SEARCH REPORT PCT/US04/30032 BOX III OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13 1 In order for all inventions to be examined, the appropriate additional examination fees must be paid Group I, claim(s) I-17, drawn to a composition comprising a combination of two or more GBS antigens comprising GBS 80 or a fragment Group II, claim(s) 18, drawn to a method for the therapeutic or prophylactic treatment of GBS infection by administering the composition of invention I Group III, claim(s) 19-21, drawn to a method for the manufacture of a medicament by combining a GBS 80 antigen fragment thereof with at least one GBS polypeptide antigen The inventions listed as Groups HII do not relate to a single general inventive concept under PCT Rule 13 1 because, under PCT Rule 13 2, they lack the same or corresponding special technical features for the following reasons Inventions .- III lack unity The special technical feature of invention I is a composition comprising a combination of two or more GBS antigens comprising GBS 80 or a fragment thereof However, such a composition was already disclosed in the pπ or art For instance, CHIRON CORPORATION (WO 2004/041 157 A2) disclosed a composition comprising a combination of GBS 80 having the amino acid sequence of SEQ ID NO 2 and GBS 322 antigen Thus, the product of invention I does not define over the pπor art Although the product of invention I and the method of using the product of invention II and a method of making the product of invention III is a permitted combination under PCT Rule 13 2, in the instant case, since the product of invention I is already disclosed in the art, the special technical feature is not a unifying feature Technically, the absence of special technical feature permits the separation of the method of using the product or the method of making the product from the product itself

Form PCT/ISA/210 (extra sheet) (Apr I 2005)

Continuation of B FIELDS SEARCHED Item 3

INTERNATIONAL SEARCH REPORT

International application No. PCT/USQ4/30032

DIALOG, WEST, MEDLINE, BIOSIS, EMBASE, Sequence databases GBS 80, SEQ ID NO: 2, inventors' names	

Form PCT/1SA/210 (extra sheet) (April 2005)